



The DATARAM SSD-DCXGCC (Solid State Drive) family fully consists of semiconductor devices using NAND Flash Memory which provide high reliability and high performance for a storage media. The SSD does not have any moving parts such as platter (disk) and head media, which provides a better solution in a notebook PC, Tablet PC and industrial PC for a storage device providing higher performance, reduced latencies, and a low power consumption in a small form factor. SSD has the same host interface with Hard Disk Drives and has the same physical dimension.

Identification/Capacity

SSD-DCXGCC-64G	64GB
SSD-DCXGCC-120G	120GB
SSD-DCXGCC-128G	128GB
SSD-DCXGCC-240G	240GB
SSD-DCXGCC-256G	256GB
SSD-DCXGCC-480G	480GB
SSD-DCXGCC-512G	512GB
SSD-DCXGCC-1TB	1TB
SSD-DCXGCC-2TB	2TB

Form Factor:

2.5-inch 7mm

Host interface:

Serial ATA interface of 6.0Gbps
Complies with ATA/ATAPI-8
Supports NCQ
Supports TRIM

MTBF

– 1,500,000 Hours

Performance

Host transfer rate:

Sequential Read: Up to 550MB/s

Sequential Write: Up to 500MB/s

Power Consumption

Active write: 4260mW (1TB)

Active read: 2800mW (1TB)

Temperature

Operating: 0°C to 70°C

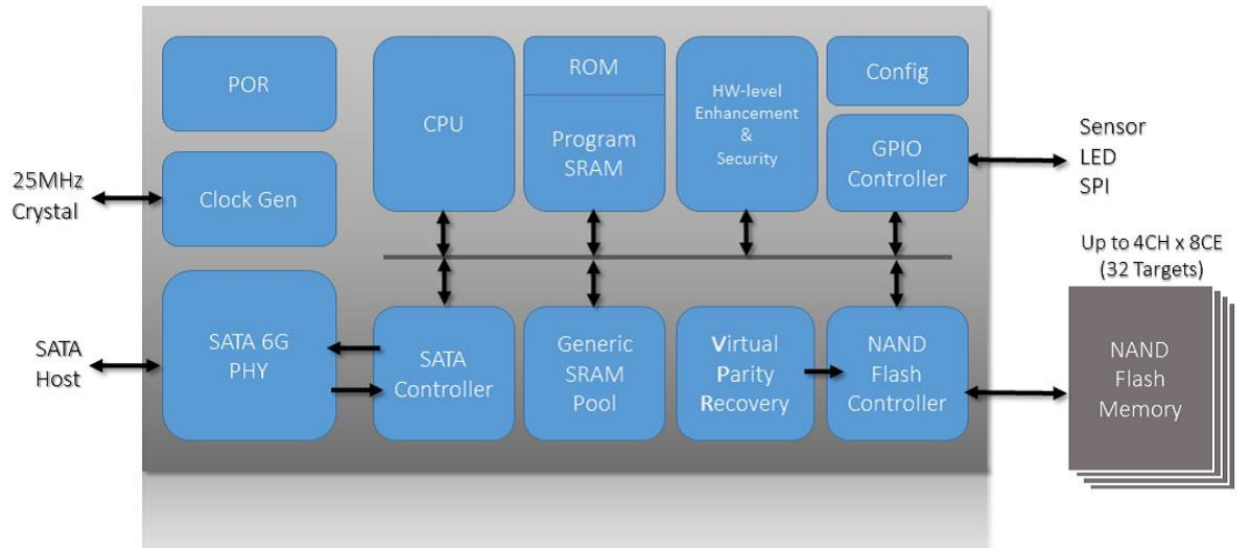
Non-Operating: -40°C to 85°C

Shock

Shock: 1500G, duration 0.5ms, Half Sine Wave

Vibration : 7~800Hz, 3.08Grms, 30min/axis (X,Y,Z)

SSD Functional Block Diagram



Mechanical Specification

2.5 Inch SSD physical dimensions and Weight

Capacity	Height (mm)	Width (mm)	Length (mm)	Weight (gram)
All	7.00 +0.2/-0.5	69.85 ± 0.25	Max 100.45	Max 45g

